Firmware

A **firmware** is an IPSW file that contains everything needed to run the core operating system, iOS. Beta firmwares have also been released, but require an Apple Developer account to acquire. To check for updates, iTunes contacts itunes.apple.com (http://itunes.com/version).

Contents

Firmware List (by device)

Apple TV

Apple TV firmwares have two different version and build numbers, which can lead to confusion when referencing them. As such, the *internal* build number is the best way to refer to a specific firmware.

- The "Marketing"/"Displayed" columns are what is reported on the Apple TV's "About" screen
- The "Internal" column refers to the `ProductVersion` and `ProductBuildVersion` keys in the IPSW's `BuildManifest.plist`

- 4.x
- 5.x
- 6.x
- 7.x
- 9.x

- 10.x
- 11.x
- 12.x
- 13.x
- 14.x
- 15.x
- 16.x

Apple Watch

- 1.x
- 2.x
- 3.x
- 4.x
- 5.x
- 6.x
- 7.x
- 8.x
- 9.x

HomePod

- 11.x
- 12.x
- 13.x
- 14.x
- 15.x
- 16.x

Mac (Apple Silicon)

- 11.x
- 12.x
- 13.x

iBridge

- 2.x
- 3.x
- 4.x
- 5.x
- 6.x
- 7.x

iPad

- [3.x](#)
- [4.x](#)
- [5.x](#)
- [6.x](#)
- [7.x](#)
- [8.x](#)
- [9.x](#)
- [10.x](#)
- [11.x](#)
- [12.x](#)
- [13.x](#)
- [14.x](#)
- [15.x](#)
- [16.x](#)

iPad Air

- [7.x](#)
- [8.x](#)
- [9.x](#)
- [10.x](#)
- [11.x](#)
- [12.x](#)
- [13.x](#)
- [14.x](#)
- [15.x](#)
- [16.x](#)

iPad Pro

- [9.x](#)
- [10.x](#)
- [11.x](#)
- [12.x](#)
- [13.x](#)
- [14.x](#)
- [15.x](#)
- [16.x](#)

iPad mini

iPhone

iPod touch

- 11.x
- 12.x
- 13.x
- 14.x
- 15.x

See Also

- Beta Firmware
- Firmware Keys
- OTA Updates
- Beta OTA Updates
- RecoveryOSUpdates
- Rapid Security Responses
- Beta Rapid Security Responses
- Jailbreak
- SHSH
- VFDecrypt

External Links

- Apple Firmware plist (https://itunes.apple.com/WebObjects/MZStore.woa/wa/com.apple.jingle.appserver.client.MZITunesClientCheck/version)
  - For BridgeOS (https://mesu.apple.com/assets/bridgeos/com_apple_bridgeOSIPSW/com_apple_bridgeOSIPSW.xml)
  - For Apple Silicon Macs (https://mesu.apple.com/assets/macos/com_apple_macOSIPSW/com_apple_macOSIPSW.xml)
- Landing page for purchasing iPhone OS 3.x (https://buy.itunes.apple.com/WebObjects/MZFinance.woa/wa/touchLandingPage) (for the 1st generation iPod touch)
- Purchase page for iPhone OS 3.x (https://buy.itunes.apple.com/WebObjects/MZFinance.woa/wa/touchLegacyLandingPage) (for the 1st generation iPod touch)